

EXHIBIT 41

Home / Products / Kubernetes Service

IBM Cloud Kubernetes Service

Deploy secure, highly available clusters in a native Kubernetes experience



Kubernetes at enterprise scale: pushing boundaries with Watson services (1:35 min)

Kubernetes ecosystem — no charge →

Get pricing options →

Kubernetes at Enterprise Scale

Experience a certified, managed Kubernetes solution, built for creating a cluster of compute hosts to deploy and manage containerized apps on IBM Cloud®. IBM manages the master, freeing you from having to administer the host OS, container runtime and Kubernetes version-update process.

Use cases

Overview

Use cases

Features

Add-on capabilities

Our clients

Create Kubernetes clusters

Deploy a scalable web app

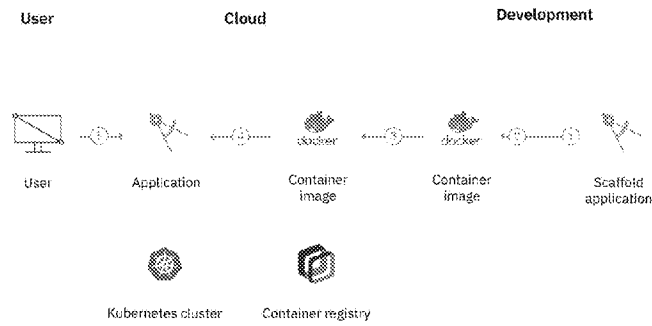
Analyze logs, monitor a >

Resources

Frequently asked questions

Related products

Next steps

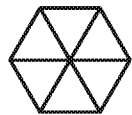


Deploy a scalable web app

Learn how to scaffold a web app, run it locally in a container, then deploy it to an IBM Cloud Kubernetes cluster. Also learn how to bind a custom domain, monitor the health of the environment and scale.

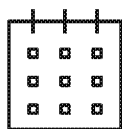
Grab the code →

Features



Native Kubernetes

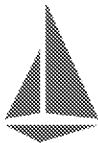
Use tools and APIs you know for a consistent experience, even working across cloud infrastructures.



Intelligent scheduling

Automatically
deploy containers
on compute hosts
based on available
resources across
the cluster.

Add-on ca



Istio on IBM Cloud

Connect, manage
and secure
networks of
microservices —
regardless of
platform, source or
vendor.

See Istio on IBM Cloud
→

Build, deploy and
run cloud-native,
serverless
applications on
Kubernetes.

See Knative on IBM
Cloud →

Create Kubernetes-
native CI/CD
pipelines with
maximum speed
and flexibility.

See Tekton on IBM
Cloud →

Our clients



ExonMobil

HARRY ROSEN

Etihad Airways

Make airport check-ins fast and easy by deploying in different cloud environments as required for compliance with local data-protection regulations.

[Read the case study →](#)



CRM.com

Billing software company unlocks monetization potential to increase customer loyalty with a cloud-native platform with a fully managed container orchestration resilient solution.

[Read the case study →](#)

ExxonMobil

Scale up, and add a great deal of resiliency with IBM Kubernetes service.

[Read the case study →](#)



Soluciones Integrales (SISA)

Utility companies and others in Argentina upgrades its infrastructure with containerization, to then moved its entire diverse back end.

[Read the case study →](#)

Harry Rosen

Luxury menswear retailer digitally transformed its business by using IBM Cloud Kubernetes Service as a foundation to apply highly personalized customer experience.

[Read the case study →](#)



ALM

Information and intelligence company evolves marketing strategies to meet new data privacy standards by sitting its internet layer's website into a blockchain compliance ledger on a Kubernetes cluster.

[Read the case study →](#)

What IBM Cloud Kubernetes Service satisfied customers are saying on



<div>IBM Cloud Kubernetes Service Review for Microservices Use Case</div> <div>★★★★☆Jan 9, 2023</div> <div>IKS resources and upgrades of those resources are managed seamlessly allowing the developers to focus on application rather than IKS management itself....</div> <div>Authenticated Reviewer</div> <div>Computer Software10,001+ employees</div>	<div>Smooth, friendly alternative to Google Cloud</div> <div>★★★★☆Mar 22, 2020</div> <div>IBM Cloud Kubernetes Service is very easy to use, with a nice and smooth control panel, command-line interface, and several built-in features....</div> <div>Dillen Meijboom Owner/Developer Excel Computer Software 1-10 employees</div>	<div>Good container orchestration platform from IBM</div> <div>★★★★☆May 14, 2021</div> <div>IBM Cloud Kubernetes Service is well suited to run microservices workload that requires high availability, scaling, with good performance. Combined with other I...</div> <div>Authenticated Reviewer</div> <div>Consumer Electronics10,001+ employees</div>
<div>Plays nicer with others than AWS Fargate and ECS, however has many many moving parts</div>	<div>IBM Cloud Kubernetes Service Review</div>	<div>IBM Cloud Kubernetes Review</div>

<div>★★★★☆</div> <div>Feb 9, 2023</div> <div>Kubernetes has proven effective for orchestrating workloads.</div> <div>Fargate is more limited.</div> <div>Jon Brizuela Cloud Security Architect Valhalla Road LLC Computer & Network Security 1-10 employees</div>	<div>★★★★☆</div> <div>May 1, 2021</div> <div>We liked the adaptability and versatility that IBM Cloud Kubernetes Service give us.</div> <div>We zeroed in on consumer loyalty and ...</div> <div>Rajesh Singh CEO & MD Gurjartech Pvt Ltd Information Technology & Services 1-10 employees</div>	<div>★★★★☆</div> <div>Mar 3, 2020</div> <div>Centralized point of management for different services</div> <div>Reduced cost of servers</div> <div>It is being used by the ...</div> <div>Authenticated Reviewer</div> <div>Information Technology & Services 11-50 employees</div>
<div>IBM Kubernetes - the perfect container service</div> <div>★★★★☆</div> <div>Dec 5, 2022</div> <div>The service saves a lot of time, increases focus on delivery, provides more features for customers. Also while working with CI/CD it is very beneficial....</div> <div>Authenticated Reviewer</div>	<div>The Great Power of Kube on IBM Cloud</div> <div>★★★★☆</div> <div>Dec 2, 2022</div> <div>It has made it easily especially for operations engineers to easily automate tasks via scripting existing CLI and API commands. Our CI/CD team was able o...</div> <div>Authenticated Reviewer</div>	<div>Smooth scaling Infrastruture.</div> <div>★★★★☆</div> <div>Dec 24, 2022</div> <div>I have to work with scaling deep learning software, especially training at scale over CPU and GPUs. I use Kubernetes in the IBM cloud to achieve that o...</div> <div>Ravi Gupta Technical Lead -</div>

Computer Software 5001-10,000 employees	Information Technology & Services 10,001+ employees	Deep Learning Intel Corporation Computer Hardware 10,001+ employees
<div>IBM Cloud Kubernetes Service is doing great so far, but I believe there's still much to do (making it auto scalable, make it more user friendly)</div> <div>★★★★☆ Jan 24, 2023</div>	<div>IBM Cloud Kubernetes - Great choice for both small and large businesses!</div> <div>★★★★☆ Jun 3, 2019</div>	<div>IBM Cloud Kubernetes Review</div> <div>★★★★☆ Nov 11, 2019</div>
<div>Our main problem was related to tasks managment, we needed a contenization tool that could help to manage the entire lifecycle of our system and therefore e...</div> <div>John Santos Ndiwayesu CTO (Chief Technical Officer) GROUPE SUPRA Computer Software 11-50 employees</div>	<div>IBM Cloud Kubernetes Service is best for apps that need to scale and developers who want to deploy their software fast and easily.</div> <div>...</div> <div>Authenticated Reviewer</div> <div>Computer Software 1-10 employees</div>	<div>It is easy to deploy new applications and the documentation is, for the most part, easy to read which makes the ease of using the CLI more convenient for all....</div> <div>Authenticated Reviewer</div> <div>Education Management 501-1000 employees</div>
<div>IBM Kubernetes is good</div>	<div>Kubernetes Review</div>	<div>Perfect Cloud Container Management Product and very Functional</div>

Cloud Services Automation Solution.



Feb 8, 2023

CLIs allow users to automate repetitive tasks and execute commands quickly, resulting in increased productivity and faster completion of tasks. CLIs offer more ...

Authenticated
Reviewer

Information
Technology &
Services 501-1000
employees



Feb 17, 2020

IBM Cloud Kubernetes gives more options and flexibility such as more data centers, locations, and zones.

IBM Cloud
Kubernetes...

Authenticated
Reviewer

E-Learning 201-
500 employees



Nov 29, 2022

This platform is very reliable orchestration and container management system which has the most effective and profitable Cloud performance and its da...

Mike Chegge
Account Manager
INTAJ Mohtawayat
Telecommunications
11-50 employees

IBM Kubernetes Review



Nov 11, 2019

IBM Cloud Kubernetes is well suited for e-commerce fields where innovation takes

Excellent service



Jan 15, 2023


One positive impact that IBM Cloud Kubernetes Service has had on our

Overall user satisfaction review for IBM Cloud Kubernetes Service



Nov 28, 2021

IBM Cloud Kubernetes Service is currently the best in the market. In

<p>place in rapid scale.</p> <p>It's always good to ha...</p> <p>Venkata Rao Vuppala Lead Engineer TCS Computer Software 10,001+ employees</p>	<p>overall business objectives is improved efficiency and scalability of our containerized wo... Authenticated Reviewer</p> <p>Information Technology & Services 5001-10,000 employees</p>	<p>case, if our use cases do not change, we will continue to stick to IBM due to its wide array of ...</p> <p>Authenticated Reviewer</p> <p>E-Learning 51-200 employees</p>
<p>It enabled an immutable infrastructure and now we can ship our features faster than before</p> <p>★★★★★ Dec 5, 2021</p> <p>After implementing this system we quickly started to realize the benefit of having seamless upgrades and easy rollbacks without any issue and now we ... Authenticated Reviewer</p> <p>Telecommunications 51-200 employees</p> <p>Read all reviews </p>		

Resources

Scalable web application on Kubernetes

Learn how to build your own data set and train a model for image classification. The models are available in TensorFlow and are run on a Kubernetes cluster.

[Learn more →](#)

Deploy apps with Tekton

Learn how to build and deploy an app to a Kubernetes cluster on IBM Cloud, using a Tekton pipeline.

[Take the tutorial →](#)

IBM Cloud training for developers

Build Kubernetes skills through courses contained within the IBM Cloud Professional Developer certification.

[Explore the learning path →](#)

IBM Cloud training for architects

Build Kubernetes skills through courses contained within the IBM Cloud Professional Architect certification.

[Explore the learning path →](#)

Frequently asked questions

Get answers to the most commonly asked questions about IBM Cloud Kubernetes Service.

How does a container-based platform work?

^

IBM Cloud® Kubernetes Service provides a fully managed container service for Docker (OCI) containers, so clients can deploy containerized apps onto a pool of compute hosts and subsequently manage those containers. Containers are automatically scheduled and placed onto available compute hosts based on your requirements and availability in the cluster.

How is the Kubernetes-based container service managed?

^

Every cluster is provisioned with a Kubernetes master IBM operates and manages, and worker nodes deployed into the client-owned infrastructure. Your worker nodes are single-tenant and dedicated to you, the client. Manage your worker nodes by using IBM-provided tools for operating system patch deployment, container runtime updates and new Kubernetes versions.

See inside IBM Cloud Kubernetes Service →

How can I run Docker containers on my own infrastructure?

▼

How does autoscaling work for my Docker containers in Kubernetes?

▼

How is container hosting managed when using service provider instances?

▼

Can I integrate block storage with my apps?

▼

How does networking work in a cluster?

▼

How are security controls integrated?

▼

How do I store Docker images in the cloud?

▼

Can I set up my own Kubernetes scheduler to place containers in a cluster?

▼

Related products

			Cloud applic		Hybrid cloud
--	--	--	-----------------	--	-----------------

IBM Cloud Code Engine	Red Hat OpenShift on IBM Cloud	IBM Cloud Databases Services	application development consulting services	Application modernization services	strategy and architecture consulting services
Run your application, job or container on a managed serverless platform.	Deploy and secure enterprise workloads on native Red Hat® OpenShift® with developer-focused tools to run highly available apps.	Complement your Kubernetes infrastructure with a complete portfolio of managed services for data and analytics.	Using a cloud-native build strategy accelerates innovation at lower cost, achieves faster time to market and drives revenue growth with open, secure, hybrid multicloud platforms.	Backed by IBM Cloud® Paks and Red Hat® OpenShift®, we speed up application modernization timelines from months to weeks and reduce costs by over 30%.	We work with you to determine the right cloud operating model, roadmap and ecosystem to support core business needs and innovation in any hybrid multicloud.
→	→	→	→	→	→

Next steps

Free IBM Cloud account

Create a free IBM Cloud account and try IBM Kubernetes ecosystem solutions.

[Read more](#) →

View pricing options

Configure, price and quote your Kubernetes cluster.

[Read more](#) →

Meet the community

Get answers to your IBM Cloud questions straight from our users.

[Read more](#) →